

West may be made somewhat more than possible. The zone of sediment, when taken along its isometric axis, is equal enough over *a priori* incredible distances. Logan and Hunt and Murchison are finding the Quebec group, the Huronian and Laurentian systems in Scotland and Scandinavia, not by fossils, but by aspect. No one doubts the extension of the Millstone Grit and the Mountain Limestone of England to Pennsylvania. Why should the remarkably homogeneous and continuous Flora of any one of the immensely outspread beds of the United States not be homogeneously continuous to Rhode Island, New Brunswick, and Cape Breton?

One remarkable feature, however, in this resemblance of the two coal columns at Pittsburg and Sydney, must not be forgotten. I refer to the mass of red shales which cap the Glace Bay section. A similar deposit occurs, at a fixed horizon, widely spread over Western Pennsylvania, but *beneath*, not *above*, the High Main coal.

Dr. Wood noticed a visit which he and Prof. Henry had made to Dr. Wistar's house, since the meeting of September 19th, to re-examine the lightning rod connections, and they found this case to be no exception to the general rule, that where the connections are perfect, the building is secure. Dr. Bache described the connections of his house-rods at the corner of Spruce and Juniper Streets, with the city gas pipes.

And the Society was adjourned.

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*Stated Meeting, November 21, 1862.*

Present, seventeen members.

Judge SHARSWOOD, Vice-President, in the Chair.

A letter accepting membership was received from T. J. Lee, dated Washington, November 11, 1862.

A letter announcing the decease of M. Edmi-François Jomard, at his residence in Paris, September 23d, 1862, aged 85, was received from his son and other relatives, dated Paris, September 30, 1862.

Letters acknowledging the receipt of Transactions, Vol. XII, P. 1, 2, were received from the Massachusetts Historical Society; the Academy of Sciences of St. Louis; and the Secretary of the Board of Trustees of the New York State Library.

On motion of Dr. Bache, the New York State Library was placed upon the list to receive the Transactions as well as the Proceedings.

Donations for the Library were received from the Natural History Societies at Riga, Berlin, Boston, New York, and Philadelphia; the Royal Society in Dublin; the Franklin Institute; Dr. Wolf and Dr. Zeuner, in Zurich; Prof. Zantideschi, in Padua; M. Jomard, of Paris, and Dr. Pugh, of Centre County, Penna.

The attention of the members was directed to the portrait of Alexander Dallas Bache, ex-President of the Society, Superintendent of the United States Coast Survey, painted by Huntingdon, and deposited by Mr. Bache for safe-keeping in the Rooms of the Society.

Mr. Peale read to the Society a communication from Mons. A. Morlot, of Lausanne in Switzerland, on the copper age of North America.

Mr. Peale mentioned certain facts of interest, in relation to a stroke of lightning at Cape May, showing that even when there was no break in the continuity of the conducting rod, the fluid preferred to leap six feet from it to a gaspipe and thence to the earth where it was more moist, than that into which the rod was inserted at its foot.

The minutes of the Board of Officers and Council were read.

New nominations Nos. 465 to 477 were read.

Prof. Kendall asked to be excused from preparing an obituary notice of General Mitchell, and on his motion, Prof. Coppeé was appointed in his stead.

And the Society was adjourned.